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height; if only three or four rounds have been reached, no modification of the disease may occur. This is known as Marson's law.

I claimed that glycerinized virus as used at the present day would not cause any "great swollen arms," and I was requested to state how to vaccinate. My armamentarium is a bottle of alcohol, knife, virus, and matches. I wash the arm with water, rubbing with a clean, freshly ironed towel, then rubbed and applied alcohol to the part freely. I dip the blade of the knife in alcohol, apply a light with a match to burn off the alcohol, repeat this process, then scarify the arm with the sterilized knife (do not draw blood) and apply the vaccine.

In conclusion, I will say vaccinate to obtain the height of protection, and if once or more times successfully vaccinated, revaccinate to be sure that you have reached the height of the ladder and are fully protected.

*Smallpox in Minnesota.*

MARCH 20, 1900.

SIR: Since my last report to you regarding smallpox, dated March 7, I have record of smallpox as follows: Minneapolis, 42; St. Paul, 6; Albert Lea, 2; Freeborn County, 15; Watonwan County, 2; Rice County, 1; Lesueur County, 1; Anoka County, 15; Butterfield, 1; Northfield, 7. Total cases, 92; deaths, 2.

Respectfully,

H. M. BRACKEN,  
*Secretary.*

*Smallpox in Bath County, Va.*

SOUTH ATLANTIC QUARANTINE STATION,  
*Via Inverness, Ga., March 16, 1900.*

SIR: Confirming my telegram of the 13th instant, I have the honor to inform you that in accordance with Bureau telegram of the 13th instant, I proceeded to Millboro, Va., for the purpose of investigating the disease prevailing there. Orders having been issued to sell no tickets to Millboro I went to Goshen, thence on a hand car over the mountains to a quarantine guard where another section boss kindly took me into town. With Dr. Nickells, who is acting as quarantine officer, I examined 8 of the 12 known cases and at least 7 are smallpox, 1 case being confluent. The eighth case had been a mild one with one or two eruptive points, having no pits. The patient, a little girl, had been vaccinated during the eruption, and when I saw the arm (ninth day of vaccination) there was certainly some evidence of result somewhat similar to the fourth-day appearance. This case was held by some to prove the absence of smallpox in the village. Millboro is a small village of about 150 people in the mountains of Bath County, is a very healthy, cleanly place, and a noted summer resort. There are at present 4 known cases of infection, and these people are quarantined by placing them on honor and by guards appointed by the local authorities. All cases are among the better class of whites, and no negroes have been attacked.

The employees of the Chesapeake and Ohio Railroad have all been vaccinated, but the county supervisors have declined to exercise the authority given them by the State law to order compulsory vaccination. This being the case, Dr. Nickells, who is one of the best known physicians in the State, has adopted the expedient of putting a guard around the village to prevent anyone from coming in who will not be vaccinated. The railroad has been requested not to allow passengers or

freight to arrive or depart without permission from him; the schools are closed, and every endeavor is being made to induce the inhabitants to be vaccinated. It is thought the interference with trade will assist in the effort. The origin of this outbreak is as follows: During the Christmas holidays a visitor from western North Carolina arrived at Carters Creek, a near-by mountain settlement. He had an eruptive disease. The Millboro school teacher went there to a dance and about two weeks after had a case of the present disease. Before his eruption disappeared he again taught school, and later some of his pupils were attacked. So far as I could ascertain, none of those attacked had been previously vaccinated.

I was informed that the secretary of the State board of health, Dr. Paulus Irving, was in Millboro the night before my arrival and pronounced the disease smallpox. I wish to express my appreciation of the courtesy extended the Service through me by the people of Millboro regardless of their opinions of the nature of the disease.

Respectfully,

HUGH V. CUMMING,  
*Passed Assistant Surgeon, U. S. M. H. S.*

*Smallpox in Wisconsin.*

MILWAUKEE, WIS., March 21, 1900.

SIR: In compliance with the agreement embodied in resolutions adopted by the conference of State and provincial boards of health respecting interstate notification of the occurrence of communicable diseases, you are hereby informed that 5 cases of smallpox have been reported to this office as existing in West Salem, La Crosse County, in this State. These make 6 cases in all at West Salem—all in one family. First came from Dixons Falls. All are well quarantined, and general vaccination is being performed. No other cases in the State at the present time.

Respectfully,

U. O. B. WINGATE, M. D.,  
*Secretary.*

*Scarlet fever in Shreveport, La.*

SHREVEPORT, LA., March 8, 1900.

SIR: I have to report 2 more cases of scarlet fever occurring in the same hotel (city) and in the same family, that of the proprietor, wherein occurred the death reported on the 6th instant.

Respectfully,

A. R. BOOTH,  
*Acting Assistant Surgeon, U. S. M. H. S.*

#### REPORTS FROM THE MEXICAN BORDER.

*El Paso, Tex., March 18, 1900.*—I have the honor to report the following summary of work during the week ended March 17, 1900: Inspection Mexican Central Railroad passengers, 201; inspection Mexican Central Railroad freight crew, 42; inspection Rio Grande Pacific Railroad train (passengers), 33; inspection Mexican Central Railroad excursion party, 10; inspection international bridge (passengers, strangers), 114; inspection of immigrants, Mexicans, 31; inspection of Russian peasant immigrants, 37; disinfection of baggage, household goods of Mexicans, 17; disinfection of Russian peasant immigrants' baggage (bundles), 45; disinfection of soiled linen imported for laundry purposes (pieces), 352, and vaccination of immigrant children, 10.

Respectfully,

E. ALEXANDER,  
*Acting Assistant Surgeon, U. S. M. H. S.*